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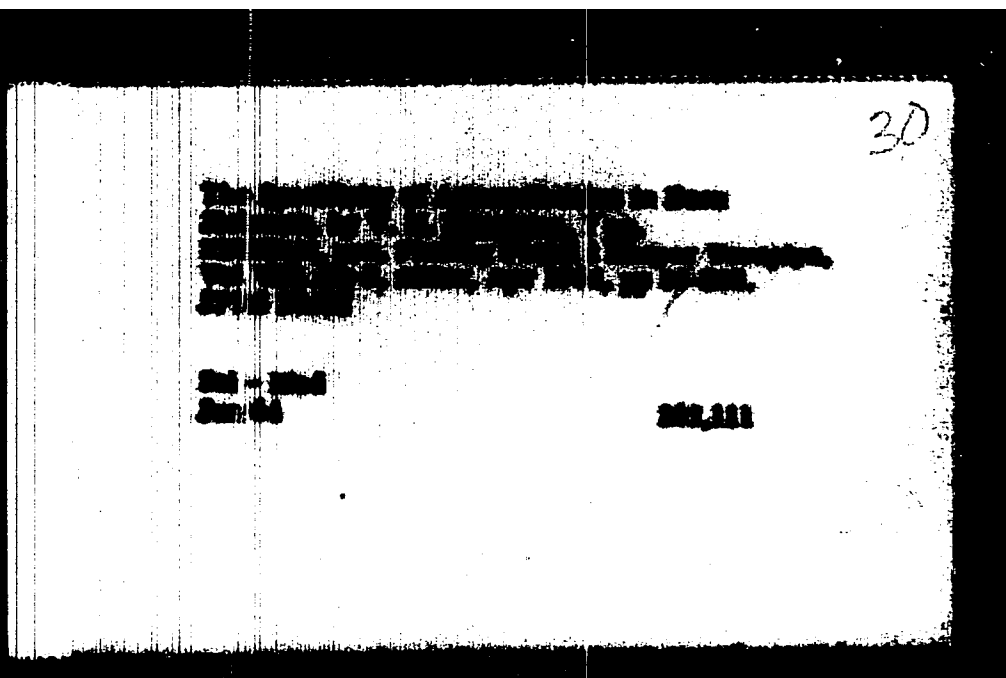
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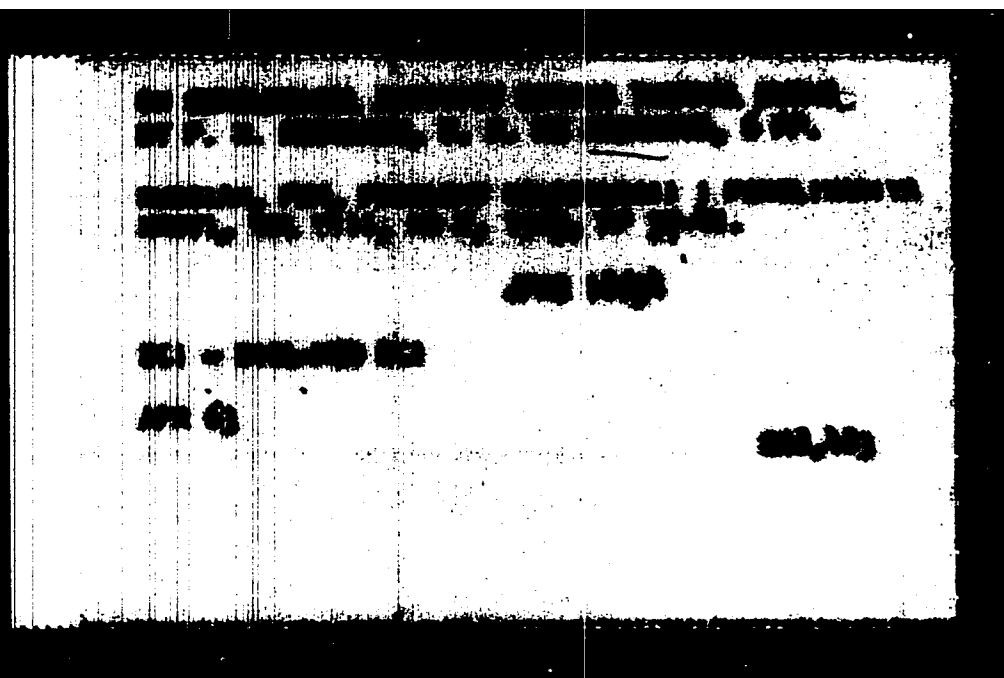
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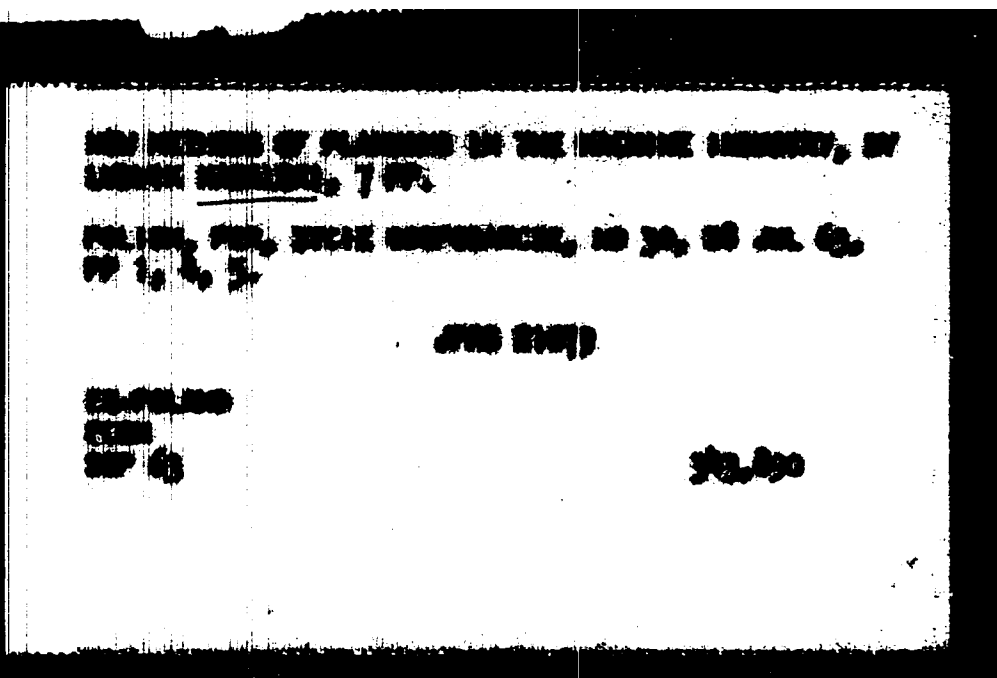
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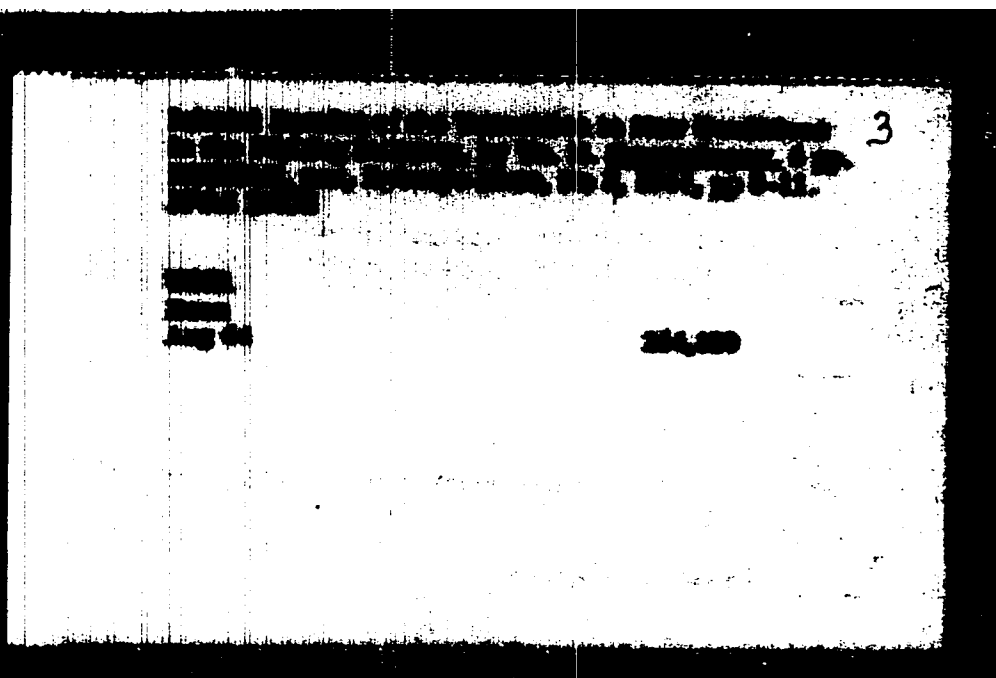
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Silicon compounds, Tungstic acid.

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DESCRIPTORS: *Virus diseases, *Grasses, Growth,
*Worms, Seeds, DDT, Hexachlorocyclohexanes, *Pest
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DESCRIPTORS: *Benzenes, Hydrocarbons, Calcium, Ammonia, *Hydrogenation.

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DESCRIPTOR: *Nicotine, Determination, *Tungstic acid, Silicon compounds.

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Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1941, no. 1, p. 107-114.

DESCRIPTORS: Hydrogenation, *Cyclopentanes

Ethyl- and propylcyclopentanes are converted into a mixture of paraffins by hydrogenation in the presence of platinized carbon, the scission of the hydrocarbon ring occurring in all possible directions. Isoparaffins are predominantly formed. The direction of the decomposition reaction is affected by the character of the catalyst. On active platinized carbon, ethyl- and propylcyclopentanes decompose, preserving their individual characteristics. On a fatigued catalyst, the (Chemistry--Physical, TT, v. 6, no. 6) (over)

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DESCRIPTORS: *Towers (Chemistry), Liquids, Mixtures, Separation, Distillation plants.

An experimental comparison of a number of fractionating columns, including those designed by Lebel, Vigreux, Arbuzov, Wilmer, Dobryanskii and Gal'pern, Wilson and Fenske, revealed that a column packed with glass helices forming a layer 140-150 cm high is more efficient than the other dephlegmators tested. When the packing was divided into three sections separated by pieces of glass tubing, the height equivalent to one theoretical plate was 5.8 cm, i.e., the number of (over)

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